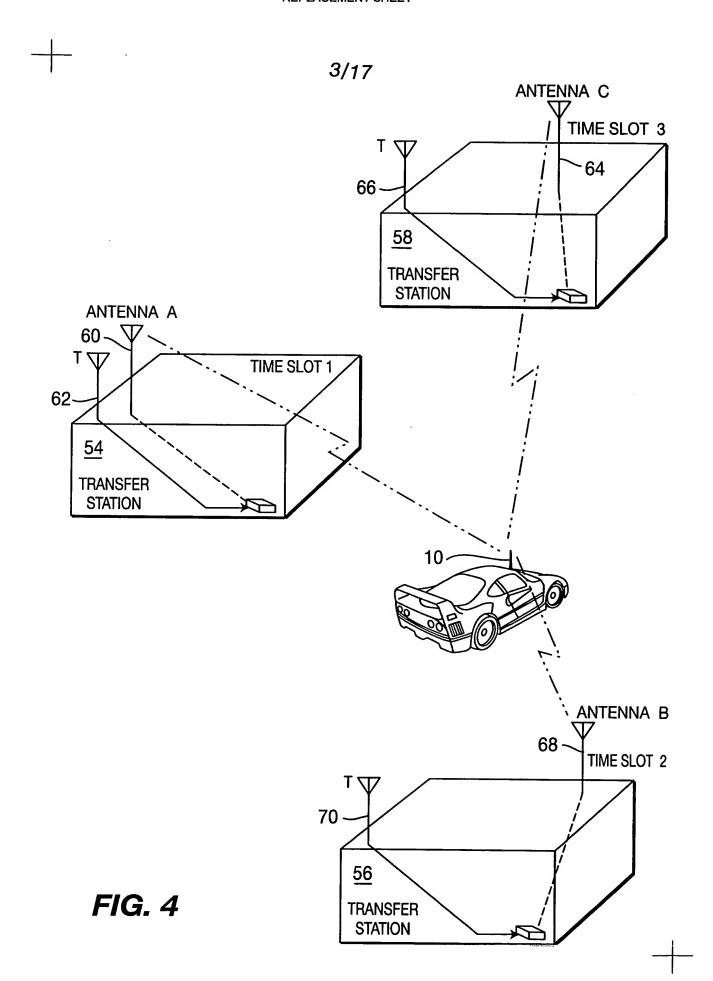


FIG. 3





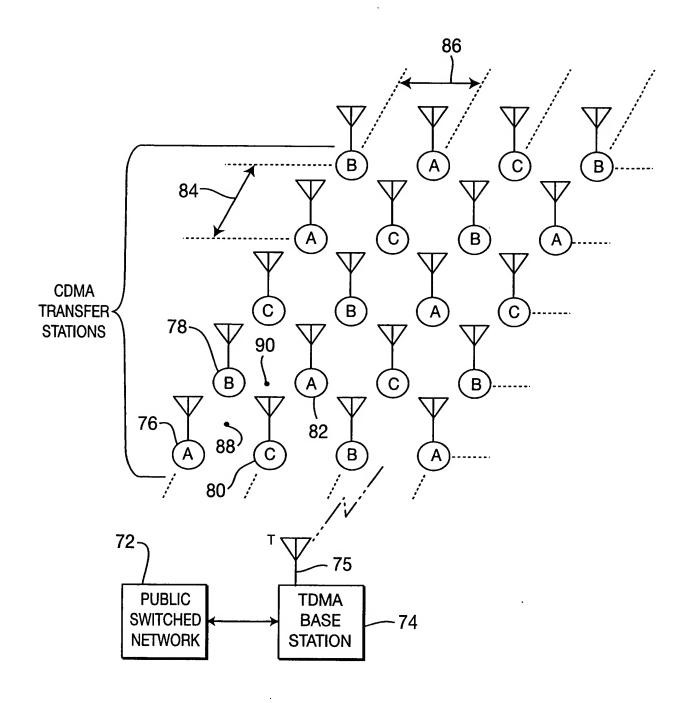


FIG. 5

5/17

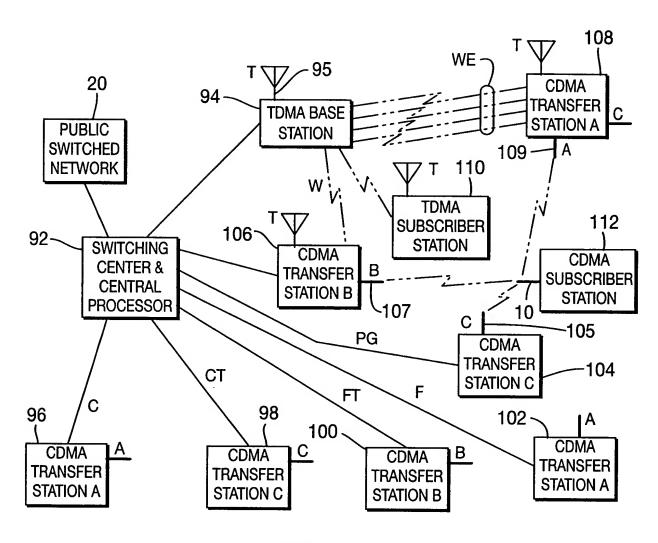
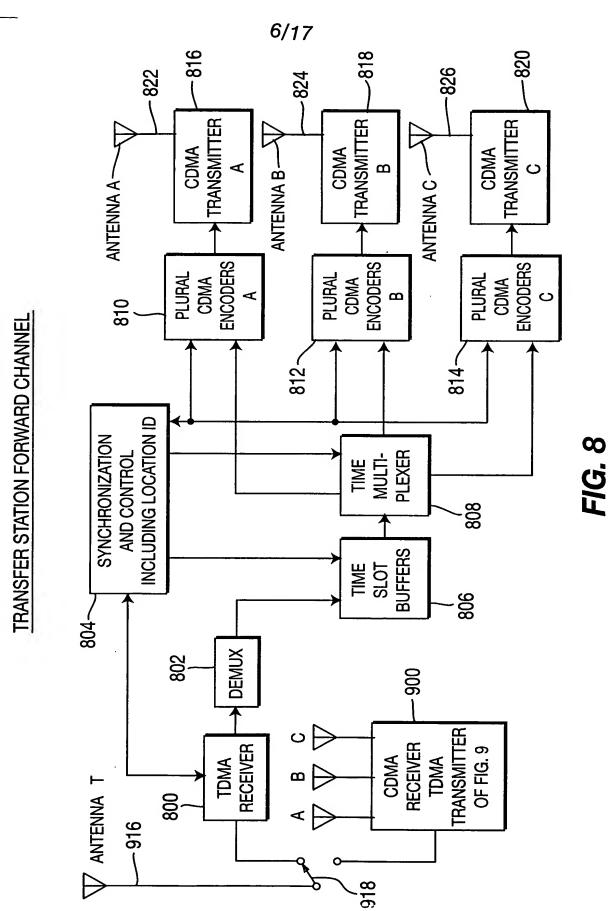
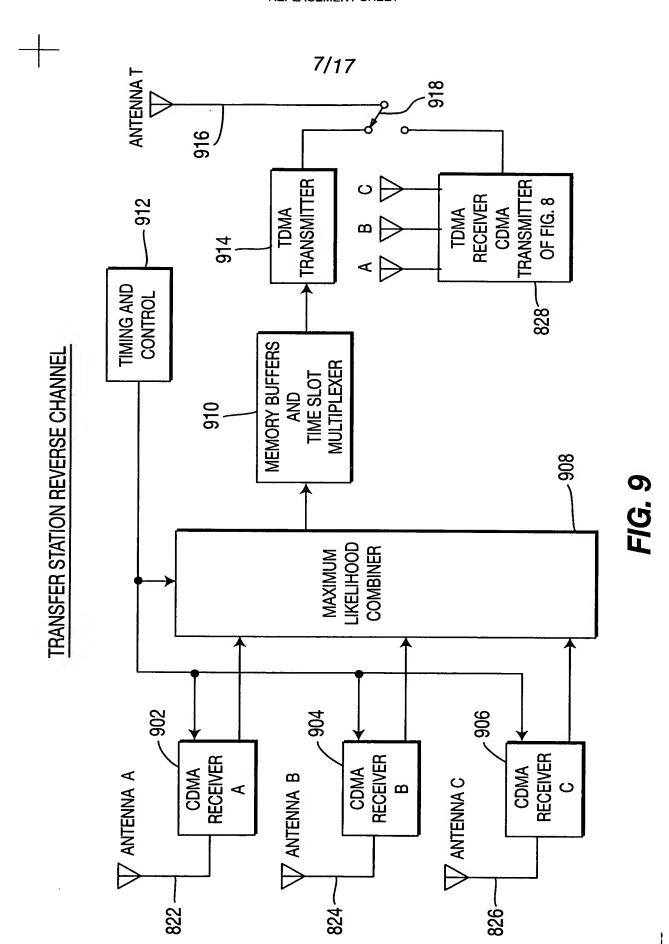


FIG. 6

TIME SLOT	S 1	2	3	4	5	6	
:	RECEIVE	RECEIVE	TRANSMIT	RECEIVE	SCAN	SPARE	

FIG. 7





8/17

FIG. 10A

			/U.						
TRAN	SFER ST	ATION C	DMA OUT	PUT TO	ANTENN	AS (FORW	/ARD CH	ANNEL)	
TIME SLOTS	1	2	3	4	5	6	1	2	1002
ANTENNA A	T ₁	T ₂	Тз	T ₄	T ₅	T ₆	T ₁	T ₂	7)
ANTENNA B	T ₆	T ₁	T ₂	T ₃	T ₄	T ₅	Т ₆	T ₁	7
ANTENNA C	T ₄	T ₅	Т ₆	T ₁	T ₂	T ₃	T ₄	T ₅	7
TRANS	SFER STA	TION CDI 2	MA INPU 3	T FROM	ANTENNA 5	AS (REVE	RSE CHA	NNEL)	1004
ANTENNA A	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	
ANTENNA B	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	1
ANTENNA C	R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	1
$T_X = TRANSM$	ITTER C	HANNE	LX		R _X	= RECE	IVER CI	HANNE	LX
			FIG.	10	В				
TDANIOE			A OLITOLI	T TO AND	TC. II. I A O	/FOD1445	5 011441		

TRANSFE	ER STATIO	ON CDM	A OUTPU	T TO AN	TENNAS	(FORWAF	RD CHAN	NEL)	•
TIME SLOTS	1	2	3	4	5	6	1	2	1006
ANTENNA A	T _{1,7}	T _{2,8}	T _{3,9}	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}	T _{2,8}	7)
ANTENNA B	T _{6,12}	T _{1,7}	T _{2,8}	Т3,9	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}	7
ANTENNA C	T _{4,10}	T _{5,11}	T _{6,12}	T _{1,7}	T _{2,8}	Т3,9	T _{4,10}	T _{5,11}	

TRANSFER STATION CDMA INPUT FROM ANTENNAS (REVERSE CHANNEL)

TIME SLOTS	1	2	3	. 4	_ 5	6	1	2	1008
ANTENNA A	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R3,9	R _{4,10}	R _{5,11}	R _{6,12}] /
ANTENNA B	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R3,9	R _{4,10}	R _{5,11}	R _{6,12}	7
ANTENNA C	R _{5,11}	R _{6,12}	R _{1,7}	R _{2,8}	R3,9	R _{4,10}	R _{5,11}	R _{6,12}	

 $T_X = TRANSMITTER CHANNEL X$

Rx = RECEIVER CHANNEL X

 $T_{X,y}$ = TRANSMITTER CHANNELS X AND Y $R_{X,y}$ = RECEIVER CHANNELS X AND Y

9/17 **FIG. 11A**

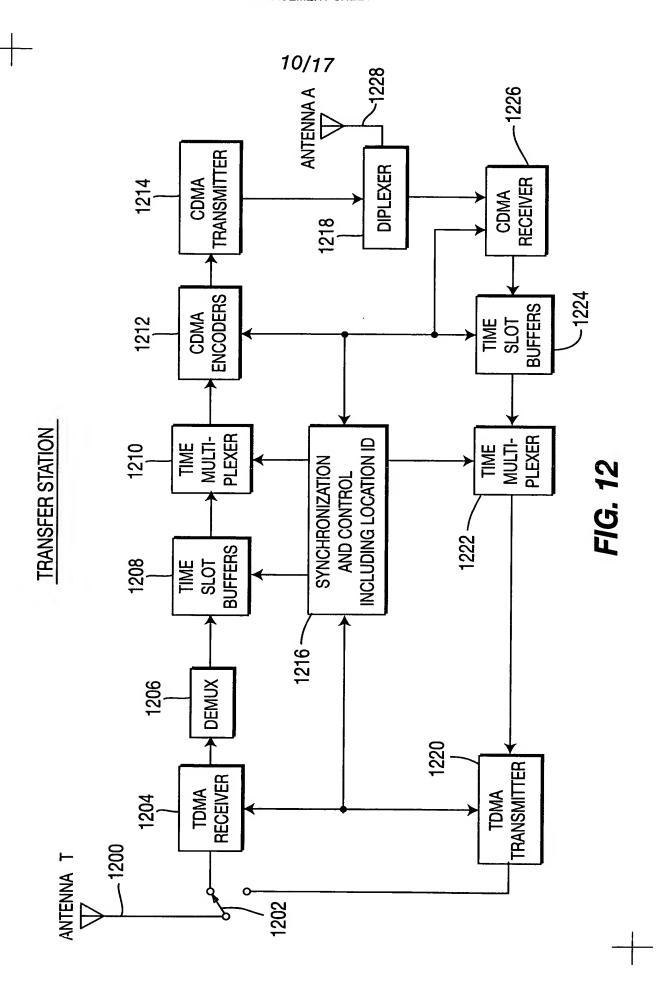
				^						
TRANSFER STATION CDMA OUTPUT TO ANTENNAS (FORWARD CHANNEL)										
TIME SLOTS	1	2	3	4	5	6	1	2		
	T ₁	T ₂	Тз	T ₄	T ₅	Т ₆	T ₁	T ₂	1102	
ANTENNA A	T ₇	Tg	Tg	T ₁₀	T ₁₁	T ₁₂	T ₇	T ₈)	
	T ₁₃	T ₁₄	T ₁₅	T ₁₆	T ₁₇	T ₁₈	T ₁₃	T ₁₄		
	T ₁₉	T ₂₀	T ₂₁	T ₂₂	T ₂₃	T ₂₄	T ₁₉	T ₂₀		
TIME SLOTS	1	2	3	4	5	6	1	2		
	T ₆	T ₁	T ₂	Тз	T ₄	T ₅	Т6	T ₁	1104	
ANTENNA B	T ₁₂	T ₇	T ₈	Tg	T ₁₀	T ₁₁	T ₁₂	T ₇		
	T ₁₈	T ₁₃	T ₁₄	T ₁₅	^T 16	T ₁₇	T ₁₈	T ₁₃		
	T ₂₄	T ₁₉	T ₂₀	T ₂₁	T ₂₂	T ₂₃	T ₂₄	T ₁₉	-3	
		-								
TIME SLOTS	1	2	3	4	5	6	1	2		
	T ₄	T ₅	T ₆	T ₁	T ₂	T ₃	T ₄	T ₅	1106	
ANTENNA C	T ₁₀	T ₁₁	T ₁₂	T ₇	T ₈	Т9	T ₁₀	T ₁₁		
	T ₁₆	T ₁₇	T ₁₈	T ₁₃	T ₁₄	T ₁₅	T ₁₆	T ₁₇		
	T ₂₂	T ₂₃	T ₂₄	T ₁₉	T ₂₀	T ₂₁	T ₂₂	T ₂₃		

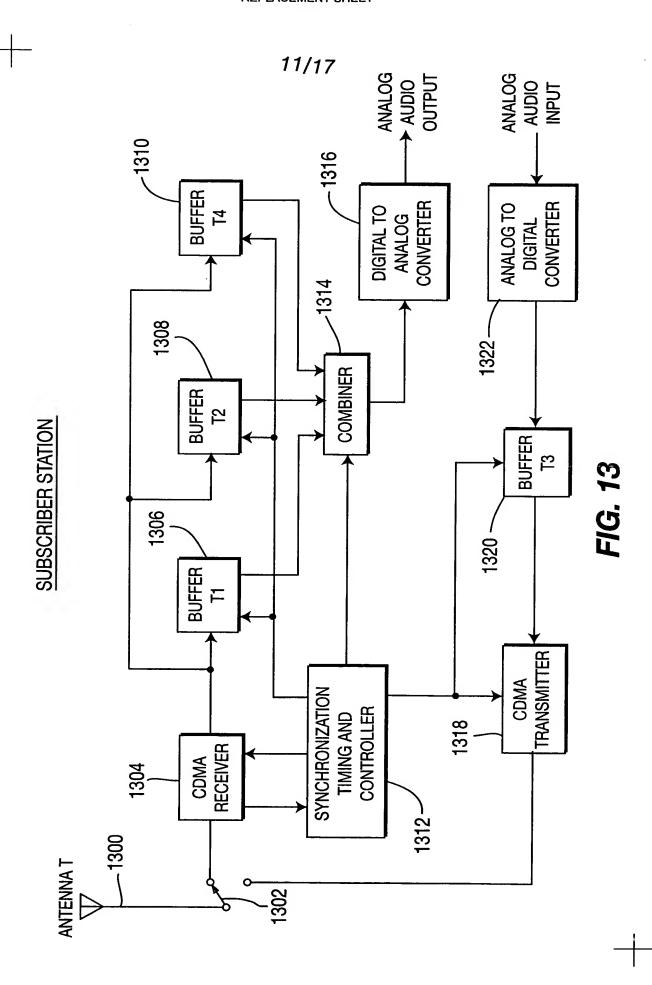
FIG. 11B

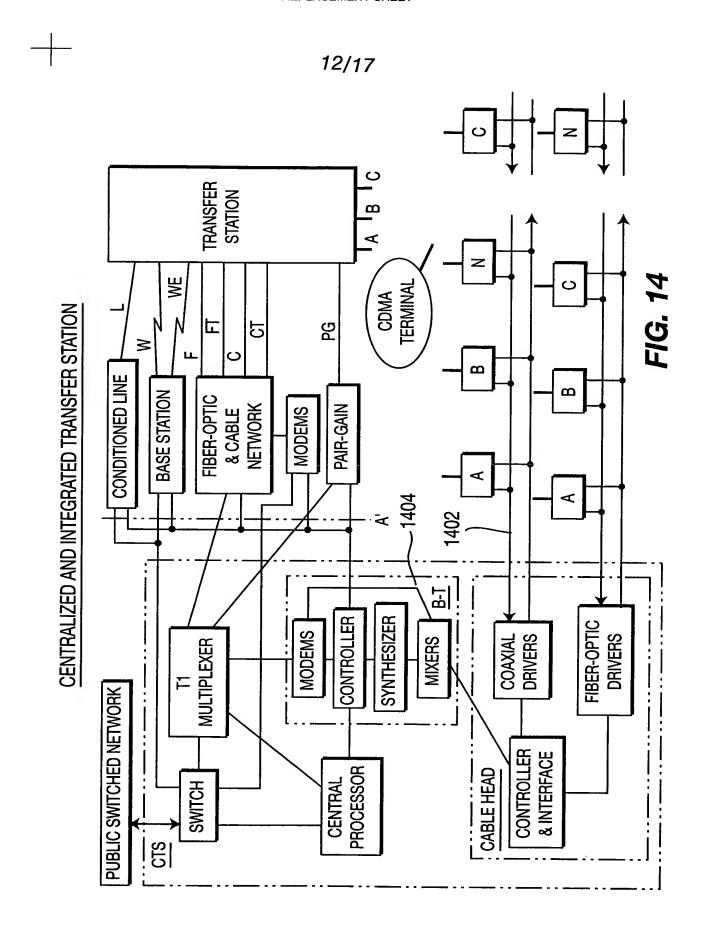
TRANSFER STATION CDMA INPUT FROM ANTENNAS (REVERSE CHANNEL)

ANTENNA A ANTENNA B AND ANTENNA C HAVE IDENTICAL TIME SLOTTING

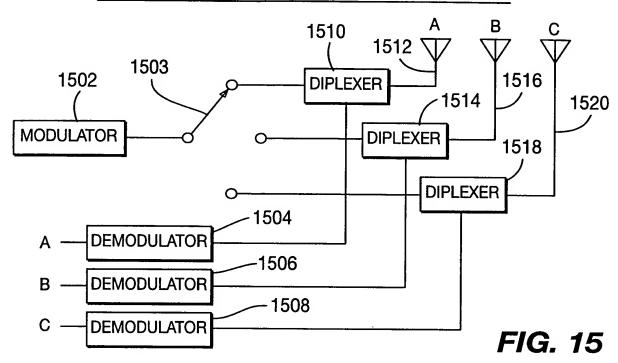
1	2	3	4	5	6	1	2	
R ₅	R ₆	R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	1108
R ₁₁	R ₁₂	R ₇	R ₈	R ₉	R ₁₀	R ₁₁	R ₁₂	
R ₁₇	R ₁₈	R ₁₃	R ₁₄	R ₁₅	R ₁₆	R ₁₇	R ₁₈	
R ₂₃	R ₂₄	R ₁₉	R ₂₀	R ₂₁	R ₂₂	R ₂₃	R ₂₄	



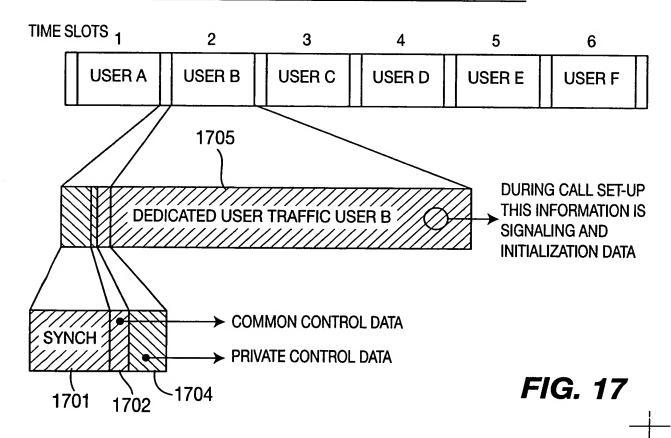




13/15
TRANSFER STATION ANTENNA IMPLEMENTATION



SYNCH AND CONTROL CHANNEL STRUCTURE



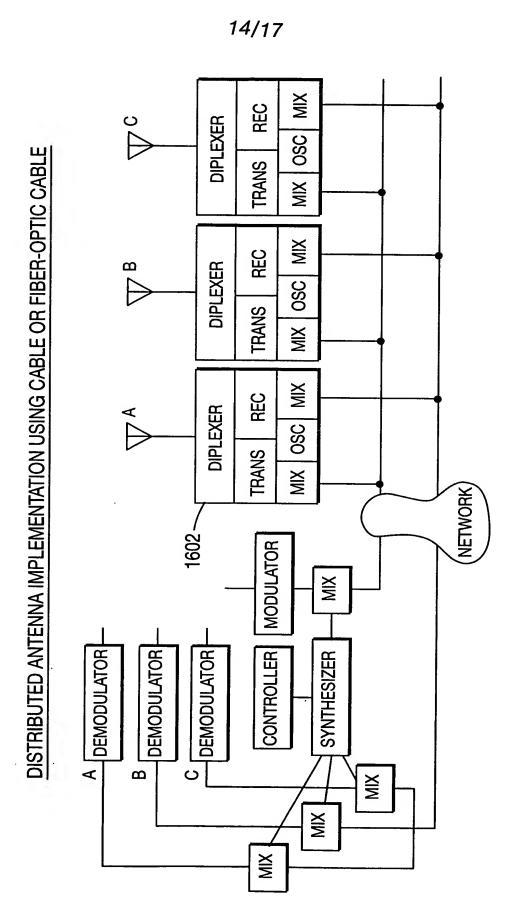
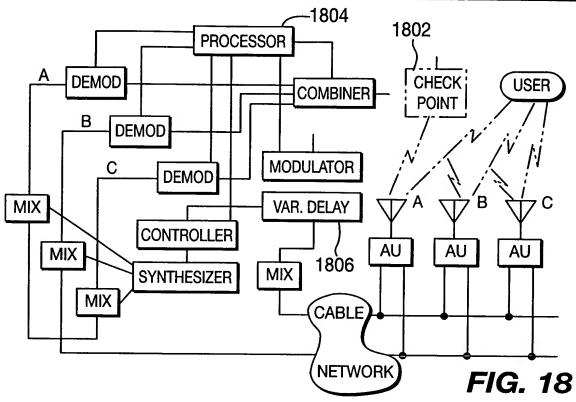
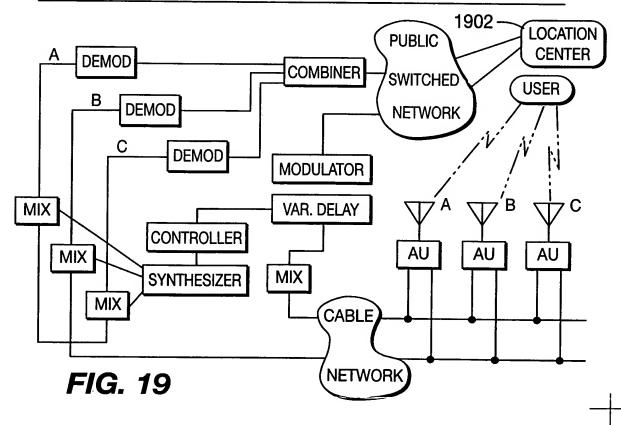


FIG. 16

15/17
TIME CALIBRATION FOR DISTRIBUTED ANTENNA IMPLEMENTATION



LOCATION CENTER EXTERNAL TO COMMUNICATION SYSTEM



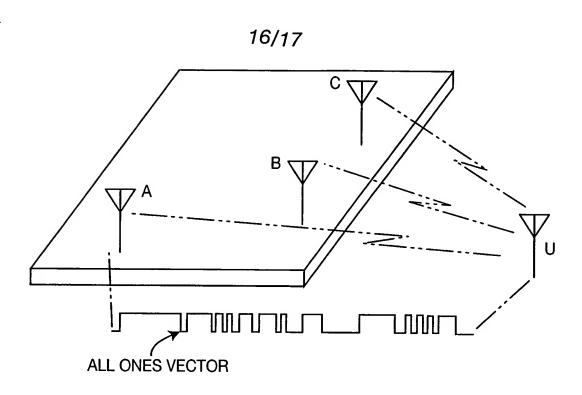


FIG. 20

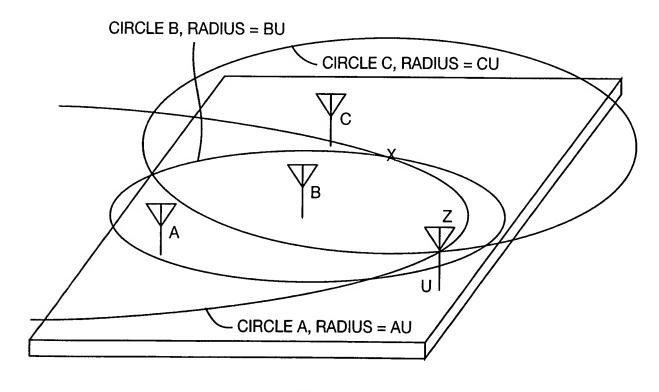


FIG. 21

